

Argent Inspections

Form AI-03

Boiler Inspection Report

Inspection Date 8/2/2023	Certificate Issued No	Expiration Date	Prepared for Inspection Yes	Next Watersides/Firesides 2024/2024	Next Strength Test
Inspection Type(s) Performed <input type="checkbox"/> Internal <input type="checkbox"/> Watersides <input type="checkbox"/> Firesides <input checked="" type="checkbox"/> External/Operational <input type="checkbox"/> Pressure Test <input type="checkbox"/> Strength <input type="checkbox"/> Tightness					
Customer 99th RSC R4C 014 USARC Grafton			Boiler Location Name and/or Building Number Mechanical Room		
Address 363 Luby St.			Boiler Location Address		
City Grafton	State WV	Zip 26354-1689	City	State	Zip
National Board # 20842	Jurisdiction # Asset# 6568	Property # 1	Boiler Use Heating Hot Water Loop	Fuel Type Natural Gas	
Manufacturer Triangle Tube	Model # Prestige Solo 399	Serial # 102469	Year Built 2010		
Capacity 399,000 btu/hr	Design Pressure 30 psi	Operating Pressure 12-20 psi	Programmer Manufacturer Honeywell	Burner Manufacturer Triangle Tube	
Number of Safety Valves 1	Combustion Efficiency % CO2	ppm CO	% Excess O2	Flue Gas Temperature Degrees F	
Valve 1	Valve Manufacturer Watts	Size 3/4"	Set Pressure 50 psi	Capacity 797,000 BTU/HR	Lift Pressure Hand
Valve 2					Reseat Pressure Unsat
Valve 3:					
Valve 4:					
Safety Devices Tested Flame Rod, Low Water Lockout, Low Pressure Switch, Operating Temperature Control, High Temperature Limit, and the safety valve was lifted by hand per NBIC Part 2 para. 2.5.7(e). It lifted freely and reseated with no leakage.					
Reason(s) for Declining Certification Low water lockout did not shut boiler down when tested, low pressure switch did not shut boiler down with loss of pressure, Safety relief valve set pressure 50 psi MAWP of boiler is 30 psi. Remote Emergency stop did not shut boiler down.					
Comments This boiler was inspected per UFC 3-430-07. The BTU input of this boiler is below the minimum for which UFC 3-430-07 requires mandatory inspections. In the interest of safety, the boiler was inspected at the request of the activity as allowed by Para. 1-5 of UFC 3-430-07. The scope of the inspection was to verify the integrity of the vessel and prove that all installed safety controls functioned as designed. Firesides too hot to inspect. Low water lockout did not shut boiler down when activated, low pressure switch did not shut boiler down with loss of pressure. Have a qualified technician trouble shoot and repair or replace these controls. Safety relief valve set pressure 50 psi, and MAWP of boiler is 30 psi. Replace the safety valve with a valve set at the max of 30 psi. Remote Emergency stop did not shut boiler down. Discharge of safety valve should be piped back to Glycol supply tank.					
Inspector Commission 13373	Inspector Dale Brooks	Signature 			
Attachments No	Technical Manager Jerry Kuykendall	Signature 			

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Inspection Type(s) Performed <input type="checkbox"/> Internal <input type="checkbox"/> Watersides <input type="checkbox"/> Firesides <input checked="" type="checkbox"/> External/Operational <input type="checkbox"/> Pressure Test <input type="checkbox"/> Strength <input type="checkbox"/> Tightness					
Customer 99th RSC R4C 014 USARC Grafton			Boiler Location Name and/or Building Number Mechanical Room		
Address 363 Luby St.			Boiler Location Address		
City Grafton		State WV	Zip 26354-1689	City	
National Board # 12920	Jurisdiction #	Property # 2	Boiler Use Heating Hot Water Loop	Fuel Type Natural Gas	
Manufacturer Triangle Tube		Model # Prestige Solo 399		Serial # NB 12920	Year Built 2009
Capacity 399,000 btu/hr	Design Pressure 30 psi	Operating Pressure 12-20 psi	Programmer Manufacturer Honeywell	Burner Manufacturer Triangle Tube	
Number of Safety Valves 1	Combustion Efficiency % CO2 ppm CO % Excess O2				Flue Gas Temperature Degrees F
	Valve Manufacturer Watts	Size 3/4"	Set Pressure 30 psi	Capacity 535,000 BTU/HR	Lift Pressure Hand
Valve 1					Reseat Pressure Sat.
Valve 2					
Valve 3:					
Valve 4:					
Safety Devices Tested The safety valve was lifted by hand per NBIC Part 2 para. 2.5.7(e). It lifted freely and reseated with no leakage.					
Reason(s) for Declining Certification Boiler would not run.					
Comments This boiler was inspected per UFC 3-430-07. The BTU input of this boiler is below the minimum for which UFC 3-430-07 requires mandatory inspections. In the interest of safety, the boiler was inspected at the request of the activity as allowed by Para. 1-5 of UFC 3-430-07. The scope of the inspection was to verify the integrity of the vessel and prove that all installed safety controls functioned as designed. Firesides too hot to inspect. Boiler would not start. Discharge of safety valve should be piped back to Glycol supply tank.					
Inspector Commission 13373	Inspector Dale Brooks	Signature <i>Dale O. Brooks</i>			
Attachments	Technical Manager	Signature			
No Pages	Jerry Kuykendall	<i>Jerry Kuykendall</i>			

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Boiler Inspection Report

Inspection Date 8/2/2023	Certificate Issued Yes	Expiration Date	Prepared for Inspection Yes	Next Watersides/Firesides 2026/2024	Next Strength Test
Inspection Type(s) Performed <input type="checkbox"/> Internal <input type="checkbox"/> Watersides <input type="checkbox"/> Firesides <input checked="" type="checkbox"/> External/Operational <input type="checkbox"/> Pressure Test <input type="checkbox"/> Strength <input type="checkbox"/> Tightness					
Customer 99th RSC R4C 014 USARC Grafton			Boiler Location Name and/or Building Number Mechanical Room		
Address 363 Luby St.			Boiler Location Address		
City Grafton		State WV	Zip 26354-1689	City	
National Board # CI-1WV001	Jurisdiction #	Property # 2	Boiler Use Heating Hot Water Loop	Fuel Type Natural Gas	
Manufacturer Burnham		Model # V906A	Serial # 65284165	Year Built 2011	
Capacity 703,000 btu/hr	Design Pressure 80 psi	Operating Pressure 12-20 psi	Programmer Manufacturer Honeywell	Burner Manufacturer Burnham	
Number of Safety Valves 1	Combustion Efficiency % CO2 ppm CO % Excess O2				Flue Gas Temperature Degrees F
	Valve Manufacturer Apollo	Size 3/4"	Set Pressure 50 psi	Capacity 1,035,000 BTU/HR	Lift Pressure Hand
Valve 2:					Sat.
Valve 3:					
Valve 4:					
Safety Devices Tested The safety valve was lifted by hand per NBIC Part 2 para. 2.5.7(e). It lifted freely and reseated with no leakage.					
Reason(s) for Declining Certification Boiler would not run. ASME-CSD-1 Sec.7-1 requires testing of the controls as part of the inspection.					
Comments The inspection was conducted using UFC 3-430-07, NBIC, and ASME-CSD-1 as guides. Boiler would not start. Discharge of safety valve should be piped back to Glycol supply tank.					
Inspector Commission 13373	Inspector Dale Brooks	Signature <i>Dale A. Brooks</i>			
Attachments Yes 1 Pages	Technical Manager Jerry Kuykendall	Signature <i>Jerry Kuykendall</i>			

Argent Inspections

Form AI-04

Pressure Vessel Inspection Report

Inspection Date 8/2/2023	Certificate Issued No	Expiration Date	Prepared for Inspection Yes	Inspection Type: <input checked="" type="checkbox"/> Internal <input checked="" type="checkbox"/> External <input checked="" type="checkbox"/> Operational <input checked="" type="checkbox"/> Pressure
Customer 99 RSC R4A WV014 USARC Grafton			UPV Location Name and/or Building Number Mechanical Room	
Address 363 Luby St.			UPV Location Address	
City Grafton		State WV	Zip 26354-1689	City _____ State _____ Zip _____
National Board # 70349C	Property #	Manufacturer Brunner Eng. & Mfg.		Serial Number NB 70349C
Pressure Vessel Type <input checked="" type="checkbox"/> Air Receiver <input type="checkbox"/> Autoclave <input type="checkbox"/> Heat Exchanger <input type="checkbox"/> Hot Water <input type="checkbox"/> Nitrogen <input type="checkbox"/> Oxygen <input type="checkbox"/> Other Year Built 1983				
Capacity 11 cu.ft	Design Pressure 200 psi	Operating Pressure	Test Pressure	Number of Safety Valves 1
Valve 1	Valve Manufacturer Kunkle	Size 1/4"	Capacity (CFM) 117 SCFM	Setting (PSI) 200 psi
Valve 2				Unsat.
Reason(s) for Declining Certification No pressure gage installed as required by NBIC Part 2 Section 2.3.5.1. No lifting ring on safety relief valve NBIC Part 2 Sec. 2.5.7C. Vessel on pallet, vessel not bolted down as required by NBIC Part 1 Section 4.3.4.				
Comments This air receiver was inspected per UFC 3-430-07 and the National Board Inspection Code. Vessel was inspected externally. All paint and welds are in good condition. Vessel was measured ultrasonically. All readings were satisfactory as compared to shell design thickness. The safety relief valve was removed and tested using an inert gas (nitrogen) and a regulator. No pressure gage installed as required by NBIC Part 2 Section 2.3.5.1. No lifting ring on safety relief valve. Vessel on pallet, vessel not bolted down as required by NBIC Part 1 Section 4.3.4.				
Inspector Commission 13373	Inspector Dale A. Brooks	Signature 		
Attachments Yes 4 Pages	Jerry Kuykendall	Signature 		